

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 22, 1977

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #290	
Location NW 33-25-07		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2 7/8	Set At: Feet 2320'	Tubing: Diameter T/C	Set At: Feet
Pay Zone: From 2201	To 2226	Total Depth: 2320	Shut In 8-15-77
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 436	+ 12 = PSIA 448	Days Shut-In 7	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		F _{pv} (From Tables)	Gravity F _g =	

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

Q =

= _____ MCF/D

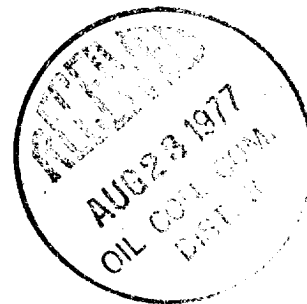
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n =$$

Aof = _____ MCF/D

TESTED BY L. Nations

WITNESSED BY _____



C. R. Wagner
Well Test Engineer